ELSEVIER

Lithos 52 (2000) vii

LITHOS

www.elsevier.nl/locate/lithos

Contents

Special Issue: Ultra-High Pressure Metamorphic Rocks
International Lithosphere Programme Contribution 345

Preface ix

High-pressure blueschists and eclogites in Hong'an: a framework for addressing the evolution of high- and ultrahigh-pressure rocks in central China
E.A. Eide and J.G. Liou 1

Sm–Nd geochronology and petrography of garnet pyroxene granulites in the northern Sulu region of China and their geotectonic implication
M. Zhai, B. Cong, J. Guo, W. Liu, Y. Li and Q. Wang 23

Petrology of ultrahigh-pressure eclogites from the ZK703 drillhole in the Donghai, eastern China
Z. Zhang, Z. Xu and H. Xu 35

Experimental synthesis and phase relations of phengitic muscovite from 6.5 to 11 GPa in a calcareous metapelite from the Dabie Mountains, China
K.J. Domanik and J.R. Holloway 51

Stable isotope geochemistry of marbles from the coesite UHP terrains of Dabieshan and Sulu, China
D. Rumble III, Q. Wang and R. Zhang 79

Decompression *P–T* path of coesite eclogite to granulite from Weihai, eastern China
S. Banno, M. Enami, T. Hirajima, A. Ishiwatari and Q.C. Wang 97

A transitional eclogite- to high pressure granulite-facies overprint on coesite–eclogite at Taohang in the Sulu ultrahigh-pressure terrane, Eastern China
Y. Yao, K. Ye, J. Liu, B. Cong and Q. Wang 109

Metamorphic evolution, mineral chemistry and thermobarometry of schists and orthogneisses hosting ultra-high pressure eclogites in the Dabieshan of central China
D.A. Carswell, R.N. Wilson and M. Zhai 121

Large areal extent of ultrahigh-pressure metamorphism in the Sulu ultrahigh-pressure terrane of East China: new implications from coesite and omphacite inclusions in zircon of granitic gneiss
K. Ye, Y. Yao, I. Katayama, B. Cong, Q. Wang and S. Maruyama 157

Eclogites and eclogites in the Western Gneiss Region, Norwegian Caledonides
S.J. Cuthbert, D.A. Carswell, E.J. Krogh-Ravna and A. Wain 165

Garnet–omphacite–phengite thermobarometry of eclogites from the coesite-bearing unit of the southern Dora-Maira Massif, Western Alps
E.U. Nowlan, H.-P. Schertl and W. Schreyer 197

Coesite inclusions and prograde compositional zonation of garnet in whiteschist of the HP-UHPM Kokchetav massif, Kazakhstan: a record of progressive UHP metamorphism
C.D. Parkinson 215

Petrotectonic evolution of the high- to ultrahigh-pressure Maksyutov Complex, Karayanova area, south Ural Mountains: structural and oxygen isotope constraints
M.L. Leech and W.G. Ernst 235

A possible UHP-eclogite in the Leaota Mts. (South Carpathians) and its history from high-pressure melting to retrograde inclusion in a subduction melange
G. Săbău 253

Author index to volume 52 277